

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An imaging system, comprising:

an output device including a two-dimensional array of pixels;

an illumination device including two illuminators, each illuminator capable of illuminating an object with a different color; and

an input device that includes a plurality of pixel devices, each pixel device including:

a multi-color sensor that provides ~~an~~ a first electronic signal representing the object illuminated by one of the two illuminators and a second electronic signal representing the object illuminated by the other of the two illuminators;

at least one transistor connected to the sensor;

a first capacitor that is selectively connected to the sensor;

a second capacitor that is selectively connected to the sensor; and

a controller that selectively stores the entirety of the first electronic signal ~~provided by the sensor and that represents a multi-color image in either the first capacitor or~~ and stores the entirety of the second electronic signal in the second capacitor;

wherein each pixel device corresponds to a respective pixel in the two dimensional array of pixels.

2. (Previously Presented) The imaging system according to claim 1, the pixel device further comprising:

a plurality of transistors and at least two control signals, one of the at least two control signals controlling one of the plurality of transistors so that the first electronic signal is stored in the first capacitor, and the other one of the at least two control signals controlling

another one of the plurality of transistors so that the second electronic signal is stored in the second capacitor.

3. (Original) The imaging system according to claim 2, wherein the first capacitor is independently active for greater than 10 microseconds.

4-17. (Canceled)

18. (Currently Amended) An imaging system, comprising:
an output device including a two-dimensional array of pixels;
an illumination device including two illuminators, each illuminator capable of
illuminating an object with a different color; and
an input device that includes a plurality of pixel devices, each pixel device including:

a multi-color sensor that provides ~~an~~ a first electronic signal
representing the object illuminated by one of the two illuminators and a second electronic
signal representing the object illuminated by the other of the two illuminators;

at least one transistor connected to the sensor;

a first capacitor that is selectively connected to the sensor;

a second capacitor that is selectively connected to the sensor; and

a controller that:

controls the electronic signal that represents a multi-color
image provided by the sensor; and

selectively stores the entirety of the first electronic signal ~~that~~
~~represents the multi-color image in either the first capacitor or~~ and stores the entirety of the
second electronic signal ~~that represents the multi-color image in the second capacitor.~~